MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

March 1947

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

MARCH 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.6	58.9	58.0	59.2	22.7	17.9	18.2	21.6	17.9	19.2
2	59.1	7.8	60.0	9.0	24.0	15.3	20.5	21.1	18.3	20.0
3	61.5	60.6	1.5	61.2	20.9	14.3	17.3	19.7	16.1	17.7
4	1.4	0.2	59.8	0.5	20.9	15.7	17.7	19.4	16.2	17.8
5	58.4	57.9	62.1	59.5	18.2	12.2	15.7	14.6	13.7	14.7
6	62.0	62.9	63.8	62.9	20.0	13.6	15.9	18.8	14.8	16.5
7	5.2	3.6	4.9	4.6	20.4	14.0	16.6	18.8	14.9	16.8
8	3.9	2.7	3.9	3.5	21.7	15.2	17.4	20.5	16.6	18.2
9	3.0	2.0	1.9	2.3	21.5	14.3	18.3	20.7	16.3	18.4
10	59.9	59.0	59.6	59.5	22.1	14.1	18.4	20.5	15.6	18.2
11	58.9	58.0	58.7	58.5	20.3	14.6	17.1	18.9	15.7	17.2
12	60.6	61.3	61.6	61.2	20.2	14.9	15.7	19.0	14.9	16.5
13	59.8	57.3	58.4	58.5	22.4	10.7	19.4	19.3	14.2	17.6
14	8.6	60.4	62.1	60.4	18.9	13.2	15.9	17.2	13.8	15.6
15	63.6	3.1	3.8	3.5	20.1	12.6	15.7	19.2	15.0	16.6
16	62.8	61.9	59.1	61.3	20.8	13.9	17.3	19.3	16.1	17.6
17	56.6	56.9	7.5	57.0	18.2	13.4	16.8	16.2	15.4	16.1
18	9.9	8.9	60.5	9.8	20.2	14.6	17.2	18.8	15.4	17.1
19	61.4	60.9	2.3	61.4	20.1	14.5	17.0	19.1	16.2	17.4
20	4.2	3.5	4.3	4.0	19.9	13.8	16.9	19.0	16.5	17.5
21	65.8	64.1	64.5	64.8	22.0	14.0	17.1	20.5	16.2	17.9
22	3.0	1.8	1.2	2.0	21.9	12.9	17.9	21.3	15.3	18.2
23	0.7	0.6	1.6	1.0	21.2	13.4	14.9	19.9	15.2	16.7
24	2.8	2.5	2.9	2.7	21.7	13.9	17.8	20.2	15.1	17.7
25	4.7	3.9	4.6	4.4	22.1	15.1	18.4	20.4	16.6	18.5
26	65.4	64.2	4.5	64.7	23.6	17.4	18.8	22.2	18.2	19.7
27	3.0	2.2	0.9	2.0	27.3	21.6	22.1	25.5	21.6	23.1
28	0.6	0.1	59.7	0.1	28.8	19.8	22.7	24.4	21.0	22.7
29	0.5	1.1	62.7	1.4	23.7	17.7	22.2	21.6	17.7	20.5
30	4.6	3.2	3.6	3.8	23.4	16.7	19.1	21.0	17.5	19.2
31	4.3	3.0	2.8	3.4	23.7	16.7	19.8	21.6	17.2	19.5
	61.83	61.11	61.70	61.53	21.72	14.90	17.92	20.01	16.29	18.07

Barometer, range for month 765.8 — 756.6 mm.
„ 71-yr. average for month 761.187 mm.
Thermometer, range for month 28.8° — 10.7°C
„ 71-yr. average for month 16.16 °C.
Rain, total for month 42.16 m.m.
„ 71-yr. average for month 92.54 m.m.
„ Total, Sept. 1st. to end of month 789.69 mm.
„ 71-yr. average, Sept. 1st. to end of month 814.77 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.9	12.7	8.8	10.8	70	65	58	64	7.8	183.0	
2	12.0	10.7	12.7	11.8	66	57	83	69	6.9	552.0	
3	12.6	13.6	12.0	12.8	85	79	89	84	6.4	425.0	
4	12.3	13.9	12.2	12.8	82	83	89	85	7.2	533.0	
5	11.4	11.1	8.0	10.2	86	90	68	81	2.1	227.0	6.35
6	10.6	11.9	11.3	11.3	79	74	90	81	10.9	147.0	
7	11.7	12.9	11.9	12.2	84	80	95	86	10.2	85.0	
8	11.4	14.0	13.3	12.9	77	78	95	83	9.2	203.0	
9	12.2	14.3	13.2	13.2	78	79	96	84	8.9	79.0	
10	13.5	14.0	13.2	13.9	86	78	99	88	8.2	98.0	
11	12.6	13.3	12.6	12.8	86	82	99	89	5.5	407.0	
12	11.6	11.9	10.8	11.4	88	73	86	82	5.6	604.0	0.51
13	10.6	12.9	10.0	11.2	63	77	83	74	4.9	919.0	1.52
14	10.5	11.3	10.2	10.7	79	78	87	81	5.5	309.0	19.05
15	10.5	12.4	10.3	11.1	80	75	81	79	6.6	386.0	
16	11.8	12.7	12.0	12.2	80	76	89	82	6.1	394.0	
17	12.2	13.5	10.7	12.1	86	98	82	89	0.0	314.0	0.25
18	12.0	12.3	11.5	11.9	82	76	88	82	7.4	243.0	
19	12.0	12.4	11.6	12.0	83	75	85	81	8.5	117.0	
20	12.1	12.7	11.4	12.1	85	78	81	81	9.4	161.0	
21	12.0	14.0	11.1	12.4	83	78	81	81	9.0	272.0	
22	11.8	14.4	12.5	12.9	77	76	96	83	9.3	312.0	
23	11.2	12.8	10.8	11.6	89	74	85	83	8.0	395.0	14.48
24	11.6	13.9	12.2	12.6	77	79	96	84	9.0	229.0	
25	12.8	13.7	12.6	13.1	82	75	90	82	10.0	209.0	
26	12.6	16.0	15.2	14.6	78	81	95	85	8.7	341.0	
27	15.1	12.7	10.4	12.7	77	50	55	61	5.4	546.0	
28	13.8	12.5	13.8	13.4	67	54	73	65	4.5	323.0	
29	15.3	15.9	14.2	15.1	77	82	94	84	5.2	463.0	
30	13.2	15.5	14.1	14.3	81	84	93	86	9.1	341.0	
31	14.5	16.7	14.6	15.3	84	88	100	91	9.3	343.0	
	12.2	13.31	11.90	12.48	79.7	76.5	86.4	80.9	7.25	330.31	1.32

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equals G.C.T.

71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	8cu-ci	1ci	0	3.0	1nw	1se	0	light	
2	8cu-st	10cu-st	7cu-ci	8.3	1sw	1sw	1sw	„	
3	10cu-st	4cu	8cu-st	7.3	3sw	1sw	1sw	„	
4	1ci	2cu-ci	9cu-ci	4.0	1sw	2sw	2sw	slight	
5	10cu-ni	10ni	6cu-ci	8 7	2sw	2sw	1sw	„	Traces a.m.
6	0	0	0	0.0	1sw	3n	0	slight	
7	1cu	0	0	0.3	1se	1ne	0	light	
8	1ci	3ci	0	1.3	1sw	1sw	2nw	slight	Dew a.m.
9	1cu	5ci	0	2.0	1se	1sw	1sw	light	„ „
10	2cu	0	0	0.7	1sw	1ne	1nw	„	„ „
11	2ci	8cu	2cu	4.0	1sw	1sw	1sw	light	Dew a.m.
12	10cu-ni	3cu	0	4.3	3sw	3sw	1sw	slight	Traces p.m.
13	0	8cu	10ni	6.0	3sw	4sw	5sw	mod.	Thunderstorm p.m.
14	7cu-ni	7cu-ni	2ci	3.7	2sw	2sw	1sw	„	
15	1cu	2cu	8cu-ci	3.7	1se	2sw	1sw	light	
16	5ci	8ci	0	4.3	1sw	1sw	4ne	light	
17	10cu	9cu-ni	10cu	9.7	3sw	1sw	1sw	slight	
18	8cu-st	0	0	2.7	1se	1sw	1sw	„	
19	0	2cu	0	0.7	1sw	1sw	1sw	„	
20	0	0	0	0.0	1se	2sw	1sw	„	
21	2ci	0	0	0.7	1e	1nw	1nw	light	
22	3cu-ci	5cu-ci	0	2.7	2nw	1ne	1w	„	
23	7cu-ni	1cu	0	2.7	1sw	1nw	1nw	„	
24	0	0	0	0.0	2sw	2sw	1sw	„	
25	0	0	0	0.0	1ne	0	0	„	Heavy Dew a.m.
26	0	0	0	0.0	2ne	1ne	1ne	light	Dew a.m.
27	10cu-st	0	0	3.3	1se	2e	0	calm	
28	10cu	9cu	0	6.3	1ne	1se	1se	light	
29	0	2cu	3cu	1.7	2sw	2sw	1sw	„	
30	5ci	0	10cu-st	5.0	1ne	1ne	1ne	„	
31	0	1cu	0	0.3	1ne	2ne	0	slight	
				3.14					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	5	1	6	0	17	0	2	0	31
14:30	1	6	1	2	0	18	0	2	1	31
20:30	0	3	0	1	0	16	1	4	6	31
Mean	1	14	2	9	0	51	1	8	7	93

Number of days with rain 6, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 10.76